

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1461894

Luminaire Tested: USSL-70-8540-U-T4RE

Issue Date: 06/10/2026

Test Information

Test Method: LM-79-2024
Report Number: P1461894
Test Lab: INNOVATION CENTER(G3)
Issue Date: 6/11/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: USSL-70-8540-U-T4RE
Description: USSL DISCRETE LED 1 SQUARE 70W 85CRI 4000k FIXTURE w/ TYPE IV ROADWAY
ILLUMINANCE DISTRIBUTION OPTIC
Light Source: (40) 4000k CCT, 85 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10393.3 lumens
Efficiency: N/A
Efficacy: 142.4 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.67' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 73
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.98
Total Harmonic Distortion (THDi): 2.73%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

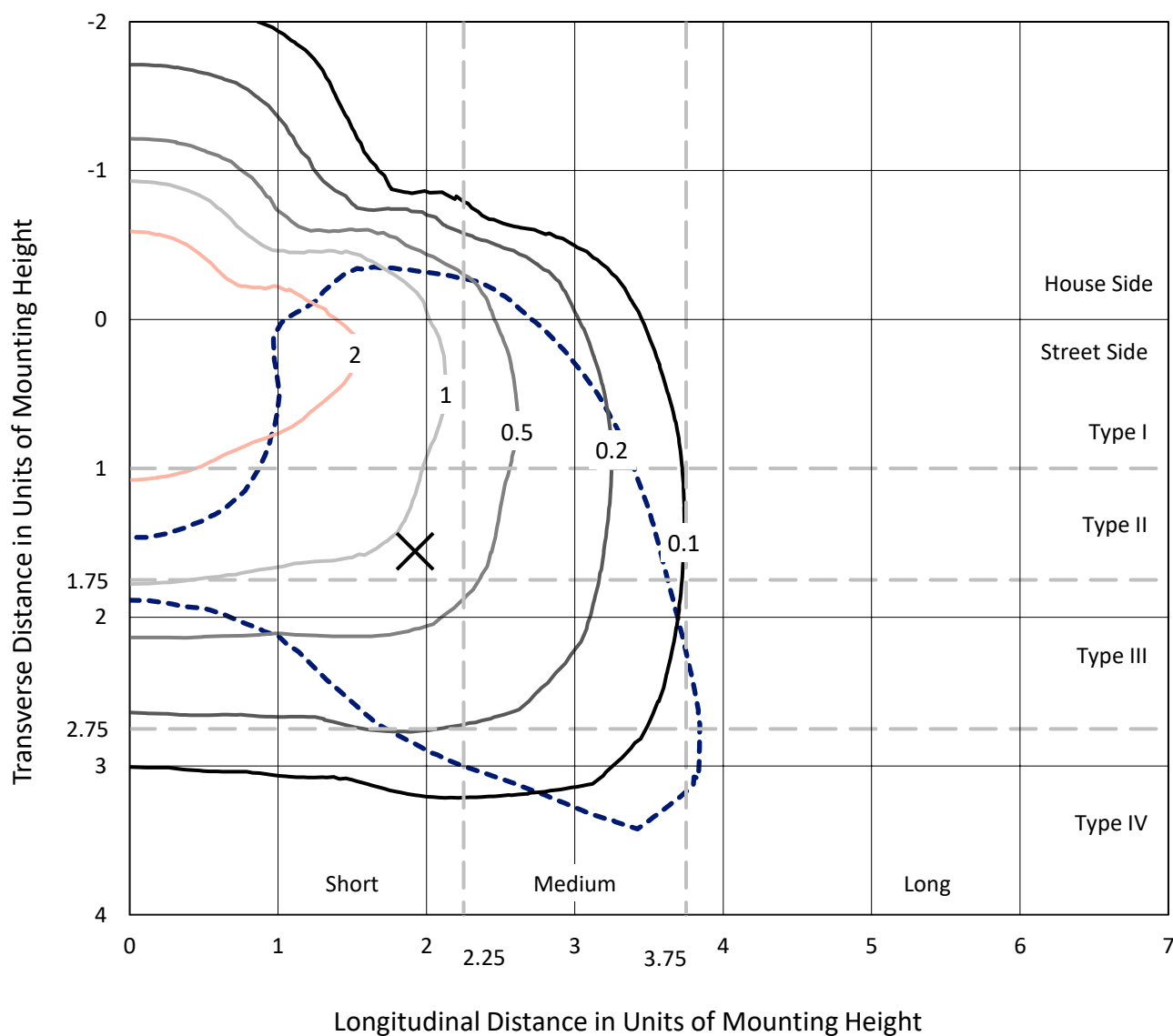
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



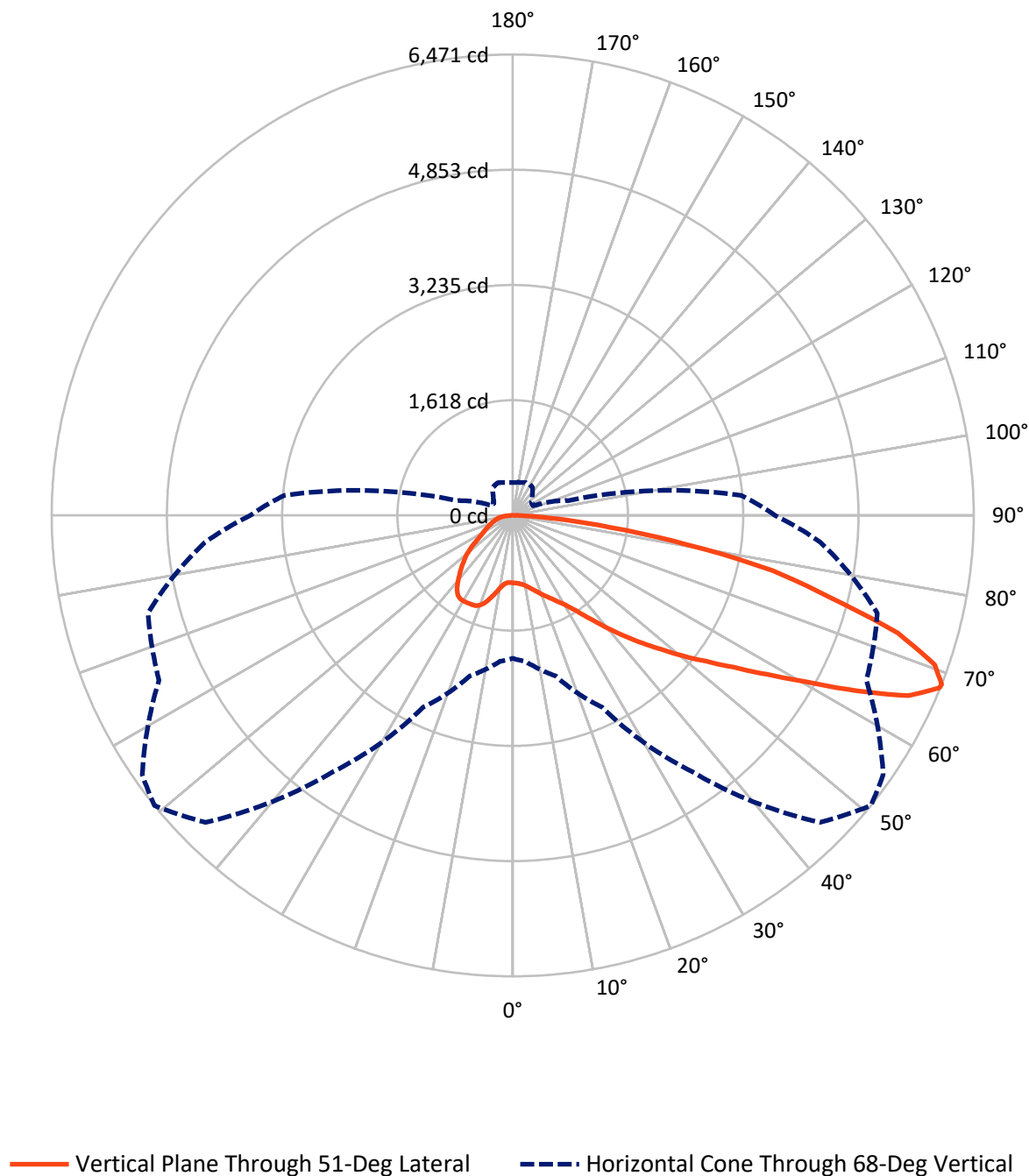
Based on 20 foot mounting height. Maximum calculated value = 3 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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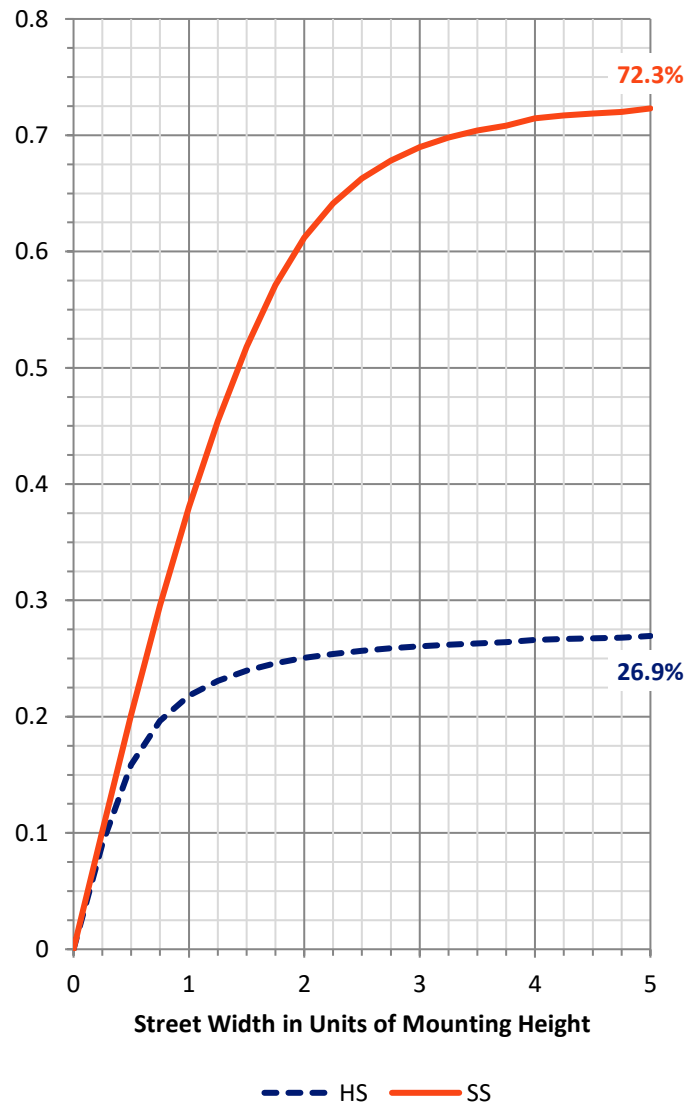
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2841.3	0.0	2841.3
	% Fixture	27.3	0.0	27.3
Street Side	Lumens	7552.0	0.0	7552.0
	% Fixture	72.7	0.0	72.7
Total	Lumens	10393.3	0.0	10393.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.6	0.9
10°-20°	326.6	3.1
20°-30°	629.1	6.1
30°-40°	1006.8	9.7
40°-50°	1574.0	15.1
50°-60°	2267.0	21.8
60°-70°	2714.3	26.1
70°-80°	1548.9	14.9
80°-90°	233.1	2.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10393.3	100.0
0°-180°	10393.3	100.0

Coefficient of Utilization



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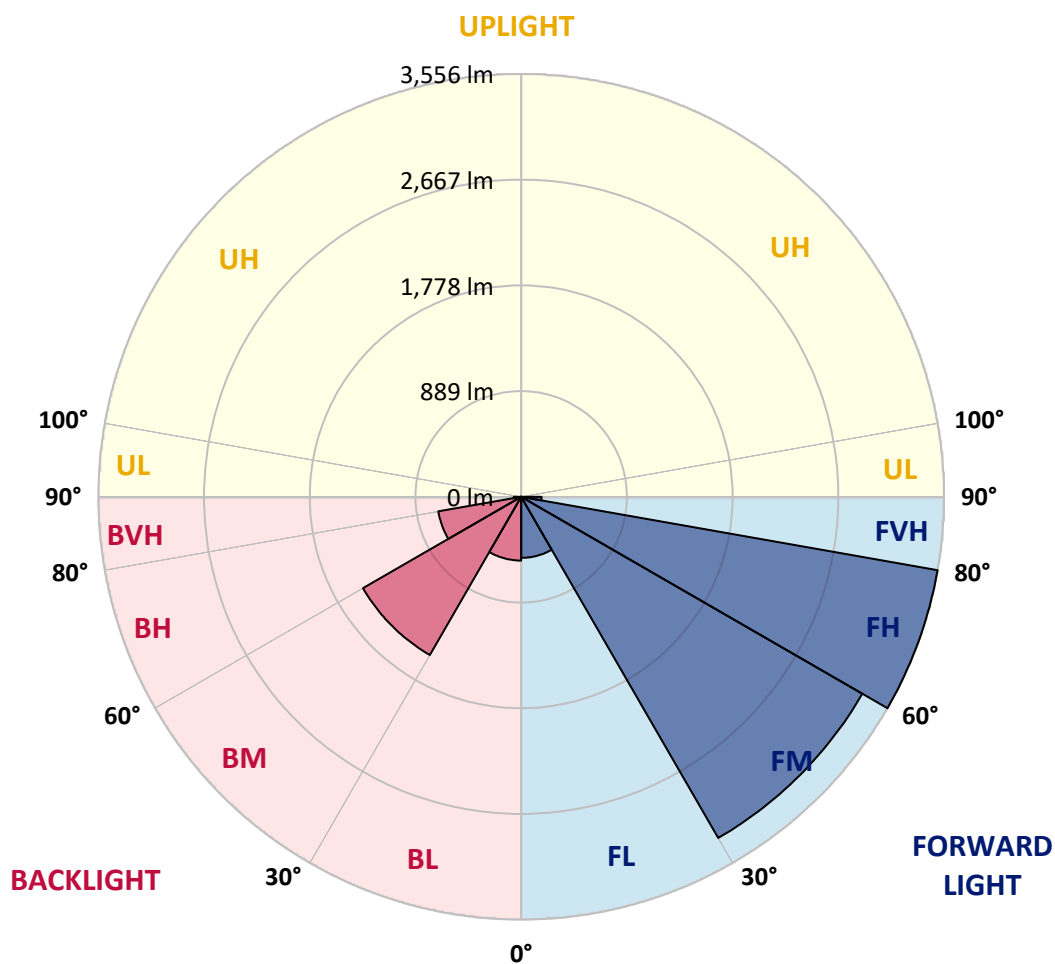
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	513.3	4.9			
FM	(30°-60°)	3312.1	31.9			
FH	(60°-80°)	3555.5	34.2			G2/5000
FVH	(80°-90°)	171.1	1.6			G2/225
BL	(0°-30°)	536.0	5.2	B2/1000		
BM	(30°-60°)	1535.7	14.8	B2/2500		
BH	(60°-80°)	707.6	6.8	B2/1000		G2/1000
BVH	(80°-90°)	62.0	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5
2.5°	956.7	956.2	954.2	957.1	954.2	953.8	951.3	952.8	948.9	949.4	949.4
5°	973.6	972.6	972.2	970.7	967.3	966.8	962.0	964.4	961.0	958.6	955.7
7.5°	1002.7	1000.7	997.3	993.9	988.1	981.8	978.0	980.4	976.0	973.1	969.3
10°	1047.7	1045.7	1039.9	1033.6	1024.0	1011.9	1003.6	1002.2	997.3	993.0	988.6
12.5°	1098.5	1096.6	1092.7	1085.4	1069.0	1052.0	1039.5	1036.1	1024.4	1018.2	1016.7
15°	1145.0	1141.6	1141.6	1131.9	1118.4	1098.5	1083.0	1077.7	1057.9	1051.6	1051.1
17.5°	1181.3	1177.9	1177.4	1174.5	1161.5	1143.5	1130.0	1124.7	1105.8	1094.6	1096.6
20°	1224.9	1221.5	1220.5	1218.6	1210.8	1194.4	1185.2	1180.8	1157.6	1142.6	1150.3
22.5°	1287.8	1285.4	1281.0	1272.3	1261.7	1251.5	1239.9	1238.4	1219.6	1207.0	1222.5
25°	1361.9	1356.1	1354.1	1340.1	1326.5	1312.0	1302.3	1304.3	1286.8	1276.2	1296.5
27.5°	1454.4	1447.6	1441.3	1427.3	1401.6	1387.6	1376.4	1378.4	1361.4	1360.9	1399.7
30°	1558.5	1556.5	1544.9	1524.6	1492.6	1475.2	1458.2	1462.1	1453.4	1459.2	1524.1
32.5°	1676.1	1676.6	1661.6	1638.3	1605.4	1583.1	1570.6	1572.5	1578.3	1605.4	1683.4
35°	1826.2	1817.5	1818.0	1791.3	1742.9	1723.5	1718.7	1721.6	1741.9	1833.0	1928.8
37.5°	1991.8	1984.5	1984.5	1964.6	1918.2	1885.2	1894.9	1903.2	1973.4	2143.3	2245.0
40°	2169.9	2159.8	2176.2	2169.4	2115.2	2104.1	2098.8	2127.8	2255.6	2489.9	2627.9
42.5°	2302.6	2304.0	2313.7	2323.9	2296.3	2310.3	2323.4	2356.8	2543.7	2870.5	3009.4
45°	2427.5	2428.5	2436.7	2452.2	2462.8	2501.6	2560.1	2608.1	2863.2	3203.1	3351.2
47.5°	2561.1	2556.3	2569.8	2608.1	2623.1	2723.8	2810.4	2894.2	3146.4	3533.3	3671.7
50°	2704.4	2704.9	2719.4	2769.8	2816.7	2971.2	3101.4	3193.9	3455.3	3863.5	3965.1
52.5°	2919.4	2901.0	2915.0	2951.8	3028.8	3237.0	3402.1	3509.5	3764.7	4176.2	4285.1
55°	3159.5	3162.9	3183.7	3208.9	3314.4	3575.9	3759.4	3881.9	4101.2	4553.8	4657.9
57.5°	3390.0	3372.0	3429.7	3511.0	3633.0	3998.0	4212.5	4308.4	4467.7	5006.0	5069.9
60°	3449.0	3453.4	3553.1	3762.3	4029.0	4539.3	4744.1	4792.0	4936.3	5577.8	5418.0
62.5°	3183.7	3196.8	3424.8	3842.2	4392.1	5165.3	5423.8	5426.7	5447.1	5849.4	5436.4
65°	2598.9	2626.0	2933.4	3555.1	4554.8	5779.7	6101.6	6077.9	5665.4	5747.7	5100.4
67.5°	2104.1	2138.9	2421.7	3092.2	4430.4	6090.0	6462.8	6342.3	5538.6	5411.3	4481.7
68°	2007.3	2055.7	2333.6	2971.2	4391.2	6094.9	6470.6	6347.1	5476.6	5298.5	4334.5
70°	1670.3	1721.6	1987.4	2642.4	4229.9	5930.3	6283.2	6181.5	5142.6	4762.0	3751.1
72.5°	1047.7	1078.7	1395.8	2104.6	3854.7	5327.0	5653.8	5628.6	4603.7	3893.5	2843.4
75°	449.8	464.8	692.8	1269.9	2970.7	4498.6	4593.5	4610.5	3650.4	2755.7	1801.0
77.5°	294.8	295.3	320.5	561.6	1798.1	3609.3	3731.8	3450.0	2447.8	1467.9	842.9
80°	247.9	246.9	245.5	269.2	795.9	2426.0	2487.0	2207.2	1245.2	595.5	290.0
82.5°	209.6	204.8	194.6	201.9	310.3	1239.4	1377.4	1210.8	571.8	215.0	130.2
85°	147.2	141.9	128.3	138.9	156.9	539.3	613.9	533.5	202.9	125.4	77.0
87.5°	63.4	53.3	55.2	65.4	70.2	160.7	168.5	118.6	69.2	51.8	31.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5	946.5
2.5°	947.5	947.5	946.0	945.5	943.6	943.6	941.2	941.2	941.7	939.7	940.2
5°	954.7	953.3	951.8	949.4	948.0	948.0	949.4	951.3	952.8	953.3	952.8
7.5°	966.8	966.8	965.9	965.4	969.3	977.0	986.7	992.0	1003.1	1006.5	1010.4
10°	988.6	988.1	990.6	1000.2	1016.7	1037.0	1054.9	1070.4	1086.9	1089.3	1093.2
12.5°	1013.8	1019.6	1032.7	1057.4	1090.3	1117.4	1144.0	1168.7	1183.2	1192.9	1190.5
15°	1053.5	1063.2	1092.7	1136.3	1169.2	1206.5	1235.5	1256.8	1271.8	1277.2	1282.0
17.5°	1105.8	1122.7	1168.7	1219.1	1257.3	1285.4	1306.2	1312.0	1318.8	1321.7	1323.6
20°	1168.7	1201.6	1259.3	1304.3	1329.9	1337.7	1341.6	1339.6	1343.0	1347.4	1349.8
22.5°	1247.2	1290.7	1355.1	1377.4	1372.1	1360.4	1358.5	1361.4	1369.6	1372.1	1375.9
25°	1340.6	1382.7	1441.8	1424.8	1383.2	1368.2	1381.3	1382.7	1383.7	1382.7	1386.1
27.5°	1449.5	1491.6	1510.0	1433.1	1378.4	1385.1	1396.3	1380.8	1361.4	1348.3	1352.2
30°	1569.1	1599.6	1553.1	1419.5	1380.3	1394.3	1376.9	1326.5	1295.1	1277.7	1280.1
32.5°	1723.1	1721.6	1572.0	1412.7	1392.9	1371.6	1306.2	1249.1	1212.3	1191.5	1192.4
35°	1918.7	1862.0	1587.0	1432.1	1390.0	1310.6	1234.1	1172.6	1143.5	1126.6	1128.5
37.5°	2179.1	2021.8	1620.4	1460.2	1341.6	1233.6	1159.0	1122.2	1107.2	1095.1	1098.0
40°	2519.5	2242.1	1720.2	1466.5	1251.5	1145.0	1115.0	1096.6	1082.1	1068.5	1073.3
42.5°	2808.5	2467.2	1914.8	1421.9	1139.2	1075.3	1085.9	1071.9	1049.6	1025.4	1027.8
45°	3096.6	2667.6	2144.7	1325.1	1024.0	1023.5	1048.2	1027.3	996.4	959.1	960.1
47.5°	3339.1	2864.2	2376.7	1207.0	918.9	957.6	988.6	961.0	909.7	863.2	858.9
50°	3561.3	3087.4	2570.3	1073.8	829.3	876.3	892.8	846.3	805.6	779.0	776.6
52.5°	3799.5	3352.7	2725.2	956.2	732.5	763.5	777.5	763.0	745.6	729.6	726.2
55°	4106.0	3698.8	2886.9	873.4	629.4	658.4	687.0	711.7	701.0	692.8	688.0
57.5°	4467.7	4139.4	2937.3	766.9	537.9	566.9	638.6	676.3	668.1	662.3	660.4
60°	4739.8	4455.1	2654.1	596.0	463.3	508.3	608.1	650.7	633.7	618.7	614.4
62.5°	4729.6	4373.3	2063.9	452.2	413.5	469.1	577.1	611.0	585.3	571.8	566.0
65°	4375.2	3989.8	1453.4	374.7	368.9	431.4	535.5	561.6	537.9	521.9	519.0
67.5°	3820.8	3399.2	902.4	325.3	330.2	392.2	491.4	516.1	488.0	473.5	474.5
68°	3681.9	3219.1	801.7	315.2	321.5	386.3	482.2	503.5	477.8	464.3	463.3
70°	3146.4	2658.9	529.7	287.1	294.8	358.7	447.8	463.3	442.0	430.9	428.5
72.5°	2324.4	1802.9	305.5	253.7	264.3	324.4	401.4	417.3	413.5	416.4	421.2
75°	1437.4	1040.9	225.6	224.2	235.3	296.3	363.6	393.1	401.8	415.4	418.8
77.5°	686.0	502.1	186.4	193.7	207.7	261.0	330.7	377.1	378.1	380.1	382.5
80°	226.1	191.7	157.3	159.3	179.6	229.5	299.2	333.1	310.3	304.5	297.3
82.5°	119.6	123.5	126.8	128.3	149.6	189.3	234.8	246.4	226.6	159.3	157.3
85°	69.7	73.6	81.3	88.1	102.6	130.7	169.4	169.9	144.3	71.2	62.5
87.5°	23.2	28.1	27.6	32.9	38.7	52.3	71.7	74.1	59.5	24.7	14.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)